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June 29, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of May 2020.

Sincerely,

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item		MAY 2020
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	105,846,480
	MWH sales:		
2	Total System Sales		4,592,280
3	Less intersystem sales		612,962
4	Total sales less intersystem sales		3,979,318
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.6599
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.4882
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		15,387
8	Oil		4,496
9	Natural Gas - Combustion Turbine		85,079
10	Natural Gas - Combined Cycle		1,340,554
11	Biogas		1,874
12	Total Fossil		1,447,390
13	Nuclear		2,720,375
14	Hydro - Conventional		89,482
15	Solar Distributed Generation		24,552
16	Total MWH generation		4,281,799

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		MAY 2020
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	1,179,830
0501310 fuel oil consumed - steam		221,404
Total Steam Generation - Account 501		1,401,234
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,833,387
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		954,139
0547000 natural gas capacity - Combustion Turbine		139,494
0547000 natural gas consumed - Combined Cycle		34,904,315
0547000 natural gas capacity - Combined Cycle		13,093,945
0547106 biogas consumed - Combined Cycle		54,491
0547200 fuel oil consumed		633,521
Total Other Generation - Account 547		49,779,905
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		38,965,198
Fuel and fuel-related component of DERP purchases		65,137
PURPA purchased power capacity		7,664,397
DERP purchased power capacity		14,661
Total Purchased Power and Net Interchange - Account 555		46,709,392
Less:		
Fuel and fuel-related costs recovered through intersystem sales		7,920,059
Solar Integration Charge		52
Total Fuel Credits - Accounts 447/456		7,920,111
Total Costs Included in Base Fuel Component	$	105,803,807
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense		-
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense	$	68,537
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		11,983
Less emissions expense recovered through intersystem sales - Account 447		13,880
Total Costs Included in Environmental Component		42,674
Fuel and Fuel-related Costs excluding DERP incremental costs	$	105,846,480
DERP Incremental Costs		225,854
Total Fuel and Fuel-related Costs	$	106,072,334

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description		MAY 2020
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	6,782
Shared Solar Program		1,132
Total DERP Avoided Costs		7,914
DERP Incremental Costs		
Purchased Power Agreements		1,240
DERP NEM Incentive		94,839
Solar Rebate Program - Amortization		47,775
Solar Rebate Program - Carrying Costs		40,476
Shared Solar Program		5,777
NEM Avoided Capacity Costs		2,927
NEM Meter Costs		10,316
General and Administrative Expenses		22,491
Interest on under-collection due to cap		13
Total DERP Incremental Costs	$	225,854

Notes:
Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

MAY 2020

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 2,013,728	$ 1,597,939	6,573	$ 415,789	-
City of Fayetteville	316,606	297,000	387	19,606	-
Haywood EMC	28,550	28,550	-	-	-
NCEMC	1,286,678	1,090,214	5,624	196,464	-
PJM Interconnection, LLC.	33,737	-	1,200	33,737	-
Southern Company Services	2,734,302	687,324	86,818	2,046,978	-
DE Carolinas - Native Load Transfer	744,434	-	46,163	737,798	$ 6,636
DE Carolinas - Native Load Transfer Benefit	148,419	-	-	148,419	-
Energy Imbalance	6,934		472	6,559	375
Generation Imbalance	733		50	452	281
	$ 7,314,121	**$ 3,701,027**	**147,287**	**$ 3,605,802**	**$ 7,292**
Act 236 PURPA Purchases					
Renewable Energy	$ 20,715,075	-	302,043	$ 20,715,075	-
DERP Net Metering Excess Generation	180	-	4	180	-
DERP Qualifying Facilities	79,618	-	1,681	79,618	-
Other Qualifying Facilities	22,308,717	-	416,735	22,308,717	-
	$ 43,103,590	**$ -**	**720,463**	**$ 43,103,590**	**$ -**
Total Purchased Power	**$ 50,417,711**	**$ 3,701,027**	**867,750**	**$ 46,709,392**	**$ 7,292**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

MAY 2020

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 895,727	$ 652,500	9,597	$ 141,153	$ 102,074
PJM Interconnection, LLC.	54,104	-	2,150	39,269	14,835
Other:					
DE Carolinas - Native Load Transfer Benefit	1,184,603	-	-	1,184,603	-
DE Carolinas - Native Load Transfer	7,071,375	-	601,215	6,580,897	490,478
Generation Imbalance	(1)	-	-	-	(1)
Total Intersystem Sales	**$ 9,205,808**	**$ 652,500**	**612,962**	**$ 7,945,922**	**$ 607,386**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
MAY 2020

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					3,979,317,925
2	DERP Net Metered kWh generation	Input					2,221,380
3	Adjusted System kWh sales	L1 + L2					3,981,539,305
4	Actual S.C. Retail kWh sales	Input	120,440,614	15,610,895	252,365,052	6,265,547	394,682,108
5	DERP Net Metered kWh generation	Input	1,322,158	26,799	872,423		2,221,380
6	Adjusted S.C. Retail kWh sales	L4 + L5	121,762,772	15,637,694	253,237,475	6,265,547	396,903,488
7	Actual S.C. Demand units (kw)	L32 / 31b *100			602,270		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$84,826,173
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$71,329
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$84,897,502
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.132
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$2,596,321	$333,439	$5,399,728	$133,599	$8,463,087
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($37,752)	($3,724)	($29,853)	$0	($71,329)
14	S.C. Retail portion of incurred system expense	L12 + L13	$2,558,569	$329,715	$5,369,875	$133,599	$8,391,758
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.074	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$2,498,250	$323,926	$5,236,575	$130,010	$8,188,761
17	DERP NEM incentive - fuel component	Input	($5,317)	($524)	($4,205)	$0	($10,046)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$2,492,933	$323,402	$5,232,370	$130,010	$8,178,715
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	$65,636	$6,313	$137,505	$3,589	$213,043
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	$65,636	$6,313	$137,505	$3,589	$213,043
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.911	0.693			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			144		
23	Incurred S.C. base fuel - capacity expense	Input	$1,097,015	$108,216	$867,487		$2,072,718
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$833,149	$81,489	$554,093	$0	$1,468,731
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	$263,866	$26,727	$313,394	$0	$603,987
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	$263,866	$26,727	$313,394	$0	$603,987
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.002	0.001			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			0		
30	Incurred S.C. environmental expense	Input	$2,240	$221	$1,771		$4,232
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$89,650	$8,898	60,227		$158,775
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($87,410)	($8,677)	($58,456)	$0	($154,543)
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($87,410)	($8,677)	($58,456)	$0	($154,543)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.003	0.003			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.550		
37	Incurred S.C. DERP avoided cost expense	Input	$4,189	$413	$3,312		$7,914
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$3,586	$468	$0		$4,054
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	$603	($55)	$3,312	$0	$3,860
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	$603	($55)	$3,312	$0	$3,860
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	$242,695	$24,308	$395,755	$3,589	$666,347

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$8,184,894					
March 2020 - actual	6,703,728	($500,048)	($60,906)	($900,533)	($19,679)	($1,481,166)
April 2020 - actual	4,364,676	(697,174)	(89,196)	(1,518,585)	(34,097)	(2,339,052)
May 2020 - actual	4,577,719	65,636	6,313	137,505	3,589	213,043
June 2020 - forecast	4,481,517	(30,576)	(4,709)	(59,495)	(1,422)	(96,202)
July 2020 - forecast	5,056,438	204,920	26,341	335,721	7,939	574,921
August 2020 - forecast	5,150,711	33,598	4,280	55,097	1,298	94,273
September 2020 - forecast	4,243,819	(312,037)	(41,877)	(540,184)	(12,794)	(906,892)
October 2020 - forecast	2,566,777	(499,128)	(82,935)	(1,069,520)	(25,459)	(1,677,042)
November 2020 - forecast	2,681,282	35,229	5,542	72,006	1,728	114,505
December 2020 - forecast	3,378,399	247,673	31,035	408,609	9,800	697,117
January 2021 - forecast	3,374,819	(1,448)	(149)	(1,937)	(46)	(3,580)
February 2021 - forecast	3,221,552	(59,835)	(6,508)	(84,895)	(2,029)	(153,267)
March 2021 - forecast	3,027,522	(70,241)	(8,803)	(112,298)	(2,688)	(194,030)
April 2021 - forecast	1,679,529	(425,476)	(66,490)	(836,015)	(20,012)	(1,347,993)
May 2021 - forecast	1,032,126	(194,435)	(32,697)	(410,451)	(9,820)	(647,403)
June 2021 - forecast	$342,323	(221,168)	(33,738)	(424,799)	(10,098)	($689,803)

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$2,280,576					
March 2020 - actual	2,080,723	($542,342)	($57,884)	$400,373	$0	($199,853)
April 2020 - actual	2,576,867	198,269	22,469	275,406	0	496,144
May 2020 - actual	3,180,854	263,866	26,727	313,394	0	603,987
June 2020 - forecast	2,931,033	(168,922)	(29,276)	(51,623)	0	(249,821)
July 2020 - forecast	2,559,192	(174,894)	2,886	(199,833)	0	(371,841)
August 2020 - forecast	2,134,927	(193,243)	1,999	(233,021)	0	(424,265)
September 2020 - forecast	1,935,734	(71,363)	6,678	(134,508)	0	(199,193)
October 2020 - forecast	2,138,902	231,066	16,005	(43,903)	0	203,168
November 2020 - forecast	2,278,778	179,745	15,444	(55,313)	0	139,876
December 2020 - forecast	1,909,813	(139,040)	3,578	(233,503)	0	(368,965)
January 2021 - forecast	1,263,860	(407,272)	567	(239,248)	0	(645,953)
February 2021 - forecast	751,408	(332,621)	1,077	(180,908)	0	(512,452)
March 2021 - forecast	652,088	(13,020)	18,349	(104,649)	0	(99,320)
April 2021 - forecast	861,741	143,282	13,769	52,602	0	209,653
May 2021 - forecast	1,029,258	209,289	14,188	(55,960)	0	167,517
June 2021 - forecast	$757,701	6,443	2,092	(280,092)	0	($271,557)

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	($86,728)					
March 2020 - actual	(234,402)	($97,924)	($9,094)	($40,656)	$0	($147,674)
April 2020 - actual	(399,194)	(93,739)	(9,066)	(61,987)	0	(164,792)
May 2020 - actual	(553,737)	(87,410)	(8,677)	(58,456)	0	(154,543)
June 2020 - forecast	(628,170)	(42,385)	(5,818)	(26,230)	0	(74,433)
July 2020 - forecast	(521,070)	65,789	7,865	33,446	0	107,100
August 2020 - forecast	(418,931)	63,966	7,741	30,432	0	102,139
September 2020 - forecast	(385,927)	26,485	3,710	2,809	0	33,004
October 2020 - forecast	(407,725)	595	320	(22,713)	0	(21,798)
November 2020 - forecast	(402,212)	13,932	1,771	(10,190)	0	5,513
December 2020 - forecast	(307,226)	60,081	7,100	27,805	0	94,986
January 2021 - forecast	(152,281)	86,896	10,674	57,375	0	154,945
February 2021 - forecast	29,126	100,632	11,761	69,014	0	181,407
March 2021 - forecast	77,477	34,711	4,695	8,945	0	48,351
April 2021 - forecast	13,801	(26,550)	(2,141)	(34,985)	0	(63,676)
May 2021 - forecast	(55,896)	(25,245)	(2,248)	(42,204)	0	(69,697)
June 2021 - forecast	($82,691)	(7)	580	(27,368)	0	($26,795)

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2020	$12,641					
March 2020 - actual	11,876	($2,864)	($414)	$2,513	$0	($765)
April 2020 - actual	12,921	(964)	(203)	2,212	0	1,045
May 2020 - actual	16,781	603	(55)	3,312	0	3,860
June 2020 - forecast	21,544	530	(182)	4,415	0	4,763
July 2020 - forecast	8,784	1,123	281	(14,164)	0	(12,760)
August 2020 - forecast	(4,880)	1,084	283	(15,031)	0	(13,664)
September 2020 - forecast	(15,413)	1,817	321	(12,671)	0	(10,533)
October 2020 - forecast	(23,495)	3,057	362	(11,501)	0	(8,082)
November 2020 - forecast	(30,986)	2,906	357	(10,754)	0	(7,491)
December 2020 - forecast	(41,268)	1,930	335	(12,547)	0	(10,282)
January 2021 - forecast	(52,500)	863	318	(12,413)	0	(11,232)
February 2021 - forecast	(62,109)	1,346	341	(11,296)	0	(9,609)
March 2021 - forecast	(71,990)	2,055	357	(12,293)	0	(9,881)
April 2021 - forecast	(76,990)	3,064	381	(8,445)	0	(5,000)
May 2021 - forecast	(82,606)	3,996	451	(10,063)	0	(5,616)
June 2021 - forecast	($94,262)	2,173	305	(14,134)	0	($11,656)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
MAY 2020

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$119,536	$63,126	$43,192	$225,854
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$139,265	$65,188	$26,135	$230,588
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($19,729)	($2,062)	17,058	($4,733)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($19,729)	($2,062)	$17,058	($4,733)

Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2020	$45,020	
March 2020 - actual	22,698	($22,322)
April 2020 - actual	19,428	(3,270)
May 2020 - actual	14,695	(4,733)
June 2020 - forecast	71,616	56,921
July 2020 - forecast	164,775	93,159
August 2020 - forecast	264,605	99,829
September 2020 - forecast	371,653	107,048
October 2020 - forecast	483,063	111,410
November 2020 - forecast	602,791	119,728
December 2020 - forecast	729,817	127,026
January 2021 - forecast	861,235	131,418
February 2021 - forecast	992,627	131,393
March 2021 - forecast	1,124,126	131,499
April 2021 - forecast	1,255,994	131,868
May 2021 - forecast	1,388,109	132,115
June 2021 - forecast	$1,520,296	$132,187

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of 2.090 and RECD 5% discount.

_/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .697 and RECD 5% discount.

_/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/19 approved residential rate of .075 and RECD 5% discount.

_/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/19 approved residential rate of .003 and RECD 5% discount.

Duke Energy Progress
Fuel and Fuel Related Cost Report
MAY 2020

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$2,797,420	$617,550	-	-	-	-	-
Oil	8	165,037	-	-	-	-	-
Gas - CC	-	-	$14,431,628	$12,821,043	$9,703,559	$11,042,030	-
Gas - CT	-	-	979,055	(189,092)	209,381	-	-
Biogas	-	-	-	310,080	37,755	-	-
Total	$2,797,428	$782,587	$15,410,683	$12,942,031	$9,950,695	$11,042,030	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	292.74	-	-	-	-	-	-
Oil	-	1,001.44	-	-	-	-	-
Gas - CC	-	-	1,499.31	315.16	423.17	354.61	-
Gas - CT	-	-	330.73	(885.97)	861.33	-	-
Biogas	-	-	-	2,399.44	2,784.29	-	-
Weighted Average	292.75	INF.	1,224.45	315.48	427.77	354.61	-
Cost of Fuel Burned ($)							
Coal	-	$1,179,830	-	-	-	-	-
Oil - CC	-	-	$226,591	-	-	-	-
Oil - Steam/CT	-	221,404	1,746	$53	-	-	-
Gas - CC	-	-	14,431,628	12,821,043	$9,703,559	$11,042,030	-
Gas - CT	-	-	979,055	(189,092)	209,381	-	-
Biogas	-	-	-	310,080	37,755	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	$1,401,234	$15,639,020	$12,942,084	$9,950,695	$11,042,030	-
Average Cost of Fuel Burned (¢/MBTU)							
Coal	-	404.73	-	-	-	-	-
Oil - CC	-	-	1,522.69	-	-	-	-
Oil - Steam/CT	-	1,345.43	1,518.26	1,766.67	-	-	-
Gas - CC	-	-	1,499.31	315.16	423.17	354.61	-
Gas - CT	-	-	330.73	(885.97)	861.33	-	-
Biogas	-	-	-	2,399.44	2,784.29	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	455.00	1,227.96	315.48	429.14	354.61	-
Average Cost of Generation (¢/kWh)							
Coal	-	5.23	-	-	-	-	-
Oil - CC	-	-	14.53	-	-	-	-
Oil - Steam/CT	-	21.69	20.14	18.34	-	-	-
Gas - CC	-	-	10.07	2.70	3.11	2.70	-
Gas - CT	-	-	4.01	(0.32)	8.54	-	-
Biogas	-	-	-	18.36	20.47	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	5.94	9.23	2.41	3.16	2.70	-
Burned MBTU's							
Coal	-	291,508	-	-	-	-	-
Oil - CC	-	-	14,881	-	-	-	-
Oil - Steam/CT	-	16,456	115	3	-	-	-
Gas - CC	-	-	962,554	4,068,100	2,293,064	3,113,851	-
Gas - CT	-	-	296,030	21,343	24,309	-	-
Biogas	-	-	-	12,923	1,356	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	307,964	1,273,580	4,102,369	2,318,729	3,113,851	-
Net Generation (mWh)							
Coal	(7,175)	22,562	-	-	-	-	-
Oil - CC	-	-	1,560	-	-	-	-
Oil - Steam/CT	-	1,021	9	-	-	-	(57)
Gas - CC	-	-	143,380	475,597	312,017	409,560	-
Gas - CT	-	-	24,426	58,921	2,452	-	-
Biogas	-	-	-	1,689	184	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	(7,175)	23,583	169,375	536,207	314,653	409,560	(57)
Cost of Reagents Consumed ($)							
Ammonia	-	$17,481	-	$12,097	-	-	-
Limestone	-	38,959	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	-	$56,440	-	$12,097	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Asheville Steam was retired effective January 29, 2020.

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME MAY 2020
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$3,414,970	$309,222,559
Oil	-	-	-	-	-	-	165,045	10,442,316
Gas - CC	-	-	-	-	-	-	47,998,260	545,662,431
Gas - CT	-	$94,250	$39	-	-	-	1,093,633	73,897,182
Biogas	-	-	-	-	-	-	347,835	2,895,520
Total	-	$94,250	$39	-	-	-	$53,019,743	$942,120,008
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	357.37	360.83
Oil	-	-	-	-	-	-	1,001.49	1,468.30
Gas - CC	-	-	-	-	-	-	459.86	381.94
Gas - CT	-	299.33	-	-	-	-	293.07	348.00
Biogas	-	-	-	-	-	-	2,435.99	2,813.83
Weighted Average	-	299.33	-	-	-	-	449.43	375.99
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$1,179,830	$269,540,545
Oil - CC	-	-	-	-	-	-	226,591	752,236
Oil - Steam/CT	-	$405,131	-	-	-	-	628,334	9,044,132
Gas - CC	-	-	-	-	-	-	47,998,260	545,662,431
Gas - CT	-	94,250	$39	-	-	-	1,093,633	73,897,182
Biogas	-	-	-	-	-	-	347,835	2,895,520
Nuclear	-	-	-	$8,318,707	$4,220,506	$3,294,174	15,833,387	178,142,789
Total	-	$499,381	$39	$8,318,707	$4,220,506	$3,294,174	$67,307,870	$1,079,934,835
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	404.73	340.64
Oil - CC	-	-	-	-	-	-	1,522.69	1,554.34
Oil - Steam/CT	-	1,744.00	-	-	-	-	1,578.57	1,424.15
Gas - CC	-	-	-	-	-	-	459.86	381.94
Gas - CT	-	299.33	-	-	-	-	293.07	348.00
Biogas	-	-	-	-	-	-	2,435.99	2,813.83
Nuclear	-	-	-	56.42	56.40	55.67	56.26	57.81
Weighted Average	-	912.66	-	56.42	56.40	55.67	171.19	195.58
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	7.67	3.70
Oil - CC	-	-	-	-	-	-	14.53	15.37
Oil - Steam/CT	-	20.63	-	-	-	-	21.40	18.32
Gas - CC	-	-	-	-	-	-	3.58	2.80
Gas - CT	-	-	-	-	-	-	1.29	3.69
Biogas	-	-	-	-	-	-	18.56	19.93
Nuclear	-	-	-	0.59	0.57	0.57	0.58	0.60
Weighted Average	-	32.92	-	0.59	0.57	0.57	1.57	1.82
Burned MBTU's								
Coal	-	-	-	-	-	-	291,508	79,126,601
Oil - CC	-	-	-	-	-	-	14,881	48,396
Oil - Steam/CT	-	23,230	-	-	-	-	39,804	635,056
Gas - CC	-	-	-	-	-	-	10,437,569	142,867,574
Gas - CT	-	31,487	-	-	-	-	373,169	21,234,826
Biogas	-	-	-	-	-	-	14,279	102,903
Nuclear	-	-	-	14,745,541	7,483,055	5,917,077	28,145,673	308,152,222
Total	-	54,717	-	14,745,541	7,483,055	5,917,077	39,316,883	552,167,578
Net Generation (mWh)								
Coal	-	-	-	-	-	-	15,387	7,282,379
Oil - CC	-	-	-	-	-	-	1,560	4,893
Oil - Steam/CT	-	1,964	-	-	-	-	2,937	49,367
Gas - CC	-	-	-	-	-	-	1,340,554	19,507,771
Gas - CT	(200)	(447)	(73)	-	-	-	85,079	2,000,114
Biogas	-	-	-	-	-	-	1,874	14,532
Nuclear	-	-	-	1,405,566	735,529	579,280	2,720,375	29,612,732
Hydro (Total System)							89,482	678,807
Solar (Total System)							24,552	254,772
Total	(200)	1,517	(73)	1,405,566	735,529	579,280	4,281,799	59,405,368
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$29,578	$1,724,761
Limestone	-	-	-	-	-	-	38,959	8,515,240
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	-	2,591,937
Urea	-	-	-	-	-	-	-	483,118
Total	-	-	-	-	-	-	$68,537	$13,315,056

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
MAY 2020

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	689,594	1,272,423	-	-	-	-	-
Tons received during period	37,639	-	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	-	11,668	-	-	-	-	-
Ending balance	727,233	1,260,755	-	-	-	-	-
MBTUs per ton burned	-	24.98	-	-	-	-	-
Cost of ending inventory ($/ton)	87.05	100.82	-	-	-	-	-
Oil Data:							
Beginning balance	301,967	386,795	4,566,306	8,007,162	2,608,517	-	756,285
Gallons received during period	-	119,423	-	-	-	-	-
Miscellaneous use and adjustments	(2,145)	-	-	-	-	-	-
Gallons burned during period	-	119,310	109,067	23	-	-	-
Ending balance	299,822	386,908	4,457,239	8,007,140	2,608,517	-	756,285
Cost of ending inventory ($/gal)	1.94	1.86	2.09	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	1,219,607	3,964,925	2,246,421	3,018,483	-
MCF burned during period	-	-	1,219,607	3,964,925	2,246,421	3,018,483	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	12,532	1,310	-	-
MCF burned during period	-	-	-	12,532	1,310	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	13,902	116,751	5,402	-	-	-	-
Tons received during period	-	-	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	-	924	-	-	-	-	-
Ending balance	13,902	115,827	5,402	-	-	-	-
Cost of ending inventory ($/ton)	57.22	40.76	68.55	-	-	-	-

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.
Asheville Steam was retired effective January 29, 2020.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
MAY 2020

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME May 2020
Coal Data:								
Beginning balance	-	-	-	-	-	-	1,962,017	1,727,204
Tons received during period	-	-	-	-	-	-	37,639	3,394,240
Inventory adjustments	-	-	-	-	-	-	-	63,924
Tons burned during period	-	-	-	-	-	-	11,668	3,158,220
Ending balance	-	-	-	-	-	-	1,987,988	1,987,988
MBTUs per ton burned	-	-	-	-	-	-	24.98	25.05
Cost of ending inventory ($/ton)	-	-	-	-	-	-	96.26	96.26
Oil Data:								
Beginning balance	10,082,557	11,315,527	582,509	153,963	264,463	78,040	39,104,091	38,548,025
Gallons received during period	-	-	-	-	-	-	119,423	5,153,490
Miscellaneous use and adjustments	-	-	-	-	-	-	(2,145)	(150,690)
Gallons burned during period	-	168,760	-	3,603	-	-	400,763	4,730,218
Ending balance	10,082,557	11,146,767	582,509	150,360	264,463	78,040	38,820,607	38,820,607
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.31	2.31	2.31	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	30,564	-	-	-	-	10,480,000	158,869,551
MCF burned during period	-	30,564	-	-	-	-	10,480,000	158,869,551
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	13,842	99,572
MCF burned during period	-	-	-	-	-	-	13,842	99,572
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	136,055	105,729
Tons received during period	-	-	-	-	-	-	-	208,290
Inventory adjustments	-	-	-	-	-	-	-	12,499
Tons consumed during period	-	-	-	-	-	-	924	191,387
Ending balance	-	-	-	-	-	-	135,131	135,131
Cost of ending inventory ($/ton)	-	-	-	-	-	-	43.56	43.56

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

MAY 2020

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	37,639	$ 2,613,987	$ 69.45
	FIXED TRANSPORTATION/ADJUSTMENTS	-	183,433	-
	TOTAL	37,639	2,797,420	74.32
ROXBORO	SPOT	-	-	-
	CONTRACT	-	32,972	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	584,578	-
	TOTAL	-	617,550	-
ALL PLANTS	SPOT	-	-	-
	CONTRACT	37,639	2,646,959	70.32
	FIXED TRANSPORTATION/ADJUSTMENTS	-	768,011	-
	TOTAL	37,639	$ 3,414,970	$ 90.73

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

MAY 2020

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	6.83	7.93	12,694	1.99
ROXBORO	-	-	-	-

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

MAY 2020

		ROXBORO
VENDOR		Greensboro Tank Farm
SPOT / CONTRACT		Contract
SULFUR CONTENT %		0
GALLONS RECEIVED		119,423
TOTAL DELIVERED COST	$	165,037
DELIVERED COST / GALLON	$	1.38
BTU / GALLON		138,000

Notes: Miscellaneous adjusments of $8 at the Mayo station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2019 - May, 2020
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,464,699	938	90.60	90.53
Brunswick 2	8,151,580	932	99.57	99.62
Harris 1	7,600,163	964	89.75	88.78
Robinson 2	6,396,290	749	97.29	93.42

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2019 through May, 2020
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,306,435	225	66.10	81.55
Lee Energy Complex	1B	1,343,354	227	67.37	83.73
Lee Energy Complex	1C	1,331,269	228	66.47	81.97
Lee Energy Complex	ST1	2,588,667	379	77.76	90.75
Lee Energy Complex	Block Total	6,569,725	1,059	70.63	85.40
Richmond County CC	7	1,041,686	194	61.13	82.93
Richmond County CC	8	1,014,725	194	59.55	81.53
Richmond County CC	ST4	1,179,903	182	73.80	90.16
Richmond County CC	9	1,307,889	216	68.93	78.49
Richmond County CC	10	1,318,972	216	69.52	78.36
Richmond County CC	ST5	1,758,541	248	80.73	87.61
Richmond County CC	Block Total	7,621,716	1,250	69.41	83.14
Sutton Energy Complex	1A	1,301,401	224	66.14	80.37
Sutton Energy Complex	1B	1,294,281	224	65.78	77.82
Sutton Energy Complex	ST1	1,598,971	271	67.17	85.88
Sutton Energy Complex	Block Total	4,194,653	719	66.42	81.65
Asheville CC	ACC CT5	501,090	184	37.14	83.72
Asheville CC	ACC CT7	383,759	187	31.23	92.31
Asheville CC	ACC ST6	198,895	93	36.66	76.56
Asheville CC	ACC ST8	57,359	93	10.57	87.04
Asheville CC	Block Total	1,141,103	556	31.15	85.96

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2019 through May, 2020

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,117,604	746	17.06	75.95
Roxboro 2	1,340,028	673	22.67	63.08
Roxboro 3	2,061,447	698	33.62	82.48
Roxboro 4	1,732,436	711	27.74	68.66

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2019 through May, 2020
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	396,794	192	35.48	98.37
Asheville 2	173,985	192	15.56	93.66
Roxboro 1	496,215	380	14.87	51.27

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
June, 2019 through May, 2020
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	394,332	360	91.25
Blewett CT	-741	68	97.08
Darlington CT	9,631	770	91.36
Richmond County CT	1,349,057	934	91.13
Sutton Fast Start CT	169,274	98	91.71
Wayne County CT	91,970	963	94.71
Weatherspoon CT	-172	164	80.15

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
June, 2019 through May, 2020
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-307	4.0	5.11
Tillery	223,667	84.0	85.02
Walters	455,867	113.0	67.27

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.